



# COMMONWEALTH of VIRGINIA

## DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY  
A Nationally Accredited Laboratory

700 NORTH 5TH STREET  
RICHMOND, VIRGINIA 23219  
(804) 786-6971

### CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II  
SERIAL NUMBER: 010434  
CERTIFICATION DATE: November 6, 2013  
DATE RECERTIFICATION DUE: May 5, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.

Melissa Kennedy

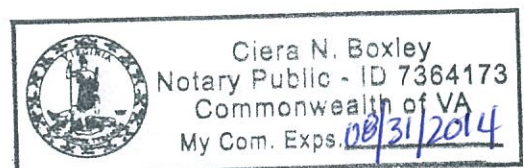
Program Manager, Calibration & Training

CITY OF RICHMOND  
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 18th day of November, 2013 by Melissa Kennedy

  
Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014



Sd

**Department of Forensic Science  
Breath Alcohol Section  
Instrument Maintenance History  
1/1/1990 To 11/8/2013**

*HMS*  
*MSK*

<b>Instrument Serial Number:</b> 010434	<b>As of 08-Nov-13</b>
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Maintenance Date	Certification Date	Technician Initials	Remarks
06-Nov-13	06-Nov-13	HMS (18910)	CERTIFIED
08-Oct-13	08-Oct-13	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED, REPLACED DRY GAS STANDARD.
21-May-13	21-May-13	HMS (18910)	CERTIFIED, REPLACED DRY GAS STANDARD.
14-Jan-13	14-Jan-13	TLN (25387)	CERTIFIED.
01-Nov-12	01-Nov-12	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED.
10-Mar-10	10-Mar-10	RJP (22428)	REPLACED DRY GAS STANDARD. CERTIFIED
15-Sep-09	15-Sep-09	DBH (21250)	CERTIFIED.
25-Mar-09	25-Mar-09	RJP (22428)	CALIBRATED AND CERTIFIED.
20-Mar-09	20-Mar-09	MSK (21355)	REPLACED TANK TOP LID, CERTIFIED.
18-Mar-09	18-Mar-09	RJP (22428)	FIRMWARE/SOFTWARE UPGRADE. CERTIFIED.
26-Feb-09	26-Feb-09	RJP (22428)	CALIBRATED, CERTIFIED AND ACCEPTED.

**INTOX EC/IR II**  
**Quality Assurance Worksheet**

*AMS*  
*MSK*

Instrument Serial Number 010434 Worksheet Start Date 11/6/2013

Location Prince William County Adult Detention Center

Address 9320 Lee Ave., Manassas, VA 20110

DFS Technician Heather Stanton License No. 18910

☐ Laboratory ☒ On-Site

**Site Specifications**

Yes No

**1 Secured Environment:**

Location must not be accessible to the general public.

☒ ☐

**2 Environment free from contaminants**

☒ ☐

**3 Dedicated telephone line:**

The phone line should be used solely by the instrument.

☒ ☐

**4 Adequate Ventilation:**

Enough space must be provided for the instrument and the printer to allow for adequate ventilation.

☒ ☐

**5 Stable temperature controls:**

The instrument should not be exposed to direct sources of temperature variation.

☒ ☐

**6 115VAC power source:**

Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices.

☒ ☐

**7 Room Condition:**

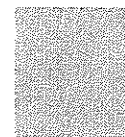
The site should be free of excessive moisture, heat and dust.

☒ ☐

Old serial no. New serial no.

E-Seek  
Keyboard  
Printer  
UPS

Supplies  
Mouthpieces  
Certificates of Analysis  
Operator Worksheet  
Other:



Maintenance (if any)

Comments (if any)

Instrument Serial Number 010434

Certification Date 11/6/2013

Instrument Barometer (mm HG) 760

Reference Barometer (mm HG) 761

Reference Barometer(RB)Serial # 009113

RB Calibration Due 5/8/2014

<b>Standard (sea level)</b>	<b>PA Target</b>	<b>minimum</b>	<b>maximum</b>	<b>Sample 1</b>	0.250
0.250	0.250	0.242	0.257	<b>Sample 2</b>	0.249
<b>Precision</b>		<b>sample min</b>	<b>sample max</b>	<b>Sample 3</b>	0.248
0.002		0.248	0.250		

<b>Standard (sea level)</b>	<b>PA Target</b>	<b>minimum</b>	<b>maximum</b>	<b>Sample 1</b>	0.149
0.150	0.150	0.145	0.154	<b>Sample 2</b>	0.149
<b>Precision</b>		<b>sample min</b>	<b>sample max</b>	<b>Sample 3</b>	0.149
0		0.149	0.149		

<b>Standard (sea level)</b>	<b>PA Target</b>	<b>minimum</b>	<b>maximum</b>	<b>Sample 1</b>	0.080
0.080	0.080	0.077	0.083	<b>Sample 2</b>	0.080
<b>Precision</b>		<b>sample min</b>	<b>sample max</b>	<b>Sample 3</b>	0.080
0		0.080	0.080		

<b>Standard (sea level)</b>	<b>PA Target</b>	<b>minimum</b>	<b>maximum</b>	<b>Sample 1</b>	0.020
0.020	0.020	0.017	0.023	<b>Sample 2</b>	0.020
<b>Precision</b>		<b>sample min</b>	<b>sample max</b>	<b>Sample 3</b>	0.019
0.001		0.019	0.020		

all measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

☐ Calibrated☒ Certified☐ Replaced dry gas standard (+O-ring)

Dry gas standard Lot No. (with tank no.)

AG201104-26

☒ Measurement Assurance Check☒ Run a Breath Test (Instrument Test)

(successful completion denotes satisfactory condition of the item)

<b>Standard (sea level)</b>	<b>PA Target</b>	<b>minimum</b>	<b>maximum</b>	<b>Sample 1</b>	0.100
0.100	0.100	0.097	0.103	<b>Sample 2</b>	0.100
<b>Precision</b>		<b>sample min</b>	<b>sample max</b>	<b>Sample 3</b>	0.100
0		0.100	0.100		

DFS Technician

*Heath W. Stark*

Date

11/8/13

Issuing Analyst

*Melvin Kennedy*

Date

11/12/13

Intox EC/IR II QA Worksheet

Issued by Calibration and Training Program Manager

Issue Date: 4-March-2013

DFS Document 250-F113

Revision 6

Page 2 of 2

lms  
nsl

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010434      Test Number: 704  
Test Date: 11/06/2013      Test Time: 12:47 EST

Technician Initials: HMS

Dry Gas Target: 0.250

Lot Number: 2961225012-08      Exp Date: 11/01/2014

Tank Pressure: 370 psi      Barometric Pressure: 759 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:48
BLK	0.000	12:49
CHK	0.250	12:49
BLK	0.000	12:51
CHK	0.249	12:52
BLK	0.000	12:53
CHK	0.248	12:54
BLK	0.000	12:55

**Success**

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

HMS  
MSK

### **Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010434      Test Number: 705  
Test Date: 11/06/2013      Test Time: 12:56 EST

Technician Initials: HMS

Dry Gas Target: 0.150

Lot Number: 2951215012-02      Exp Date: 11/01/2014

Tank Pressure: 968 psi      Barometric Pressure: 759 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:57
BLK	0.000	12:58
CHK	0.149	12:58
BLK	0.000	13:00
CHK	0.149	13:01
BLK	0.000	13:02
CHK	0.149	13:03
BLK	0.000	13:04

### **Success**

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

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**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010434      Test Number: 706  
Test Date: 11/06/2013      Test Time: 13:05 EST

Technician Initials: HMS

Dry Gas Target: 0.080

Lot Number: 0771308012-04      Exp Date: 05/01/2015

Tank Pressure: 953 psi      Barometric Pressure: 759 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	13:06
BLK	0.000	13:06
CHK	0.080	13:07
BLK	0.000	13:08
CHK	0.080	13:09
BLK	0.000	13:10
CHK	0.080	13:11
BLK	0.000	13:13

**Success**

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

LMS  
msk

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010434      Test Number: 707  
Test Date: 11/06/2013      Test Time: 13:15 EST

Technician Initials: HMS

Dry Gas Target: 0.020

Lot Number: 0651202011-03      Exp Date: 04/01/2014

Tank Pressure: 80 psi      Barometric Pressure: 759 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	13:15
BLK	0.000	13:16
CHK	0.020	13:17
BLK	0.000	13:18
CHK	0.020	13:19
BLK	0.000	13:20
CHK	0.019	13:21
BLK	0.000	13:22

**Success**

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success



AMO  
MSK

**Intox EC/IR-II: Accuracy Check**

*Department of Forensic Science*

Serial Number: 010434      Test Number: 708

Test Date: 11/06/2013      Test Time: 13:26 EST

Dry Gas Target: 0.300

Lot Number: AG322702-01      Exp Date: 08/15/2015

Tank Pressure: 301 psi      Barometric Pressure: 759 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	13:26
CHK	0.302	13:27
BLK	0.000	13:29
CHK	0.301	13:30
BLK	0.000	13:31
CHK	0.301	13:32

Test Status: *Success*

Calibration CRC: A219A2B5

AND  
MSK

# **Intox EC/IR-II: Accuracy Check**

*Department of Forensic Science*

Serial Number: 010434      Test Number: 709

Test Date: 11/06/2013      Test Time: 13:35 EST

Dry Gas Target: 0.100

Lot Number: AG201104-26      Exp Date: 01/11/2014

Tank Pressure: 664 psi      Barometric Pressure: 759 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	13:35
CHK	0.100	13:36
BLK	0.000	13:38
CHK	0.100	13:38
BLK	0.000	13:40
CHK	0.100	13:41

Test Status: *Success*

Calibration CRC: A219A2B5




COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS  
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

hms  
nsh

NAME OF ACCUSED <b>INSTRUMENT, TEST,</b>	NAME OF COURT <b>DFS</b>
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY <b>STANTON, HEATHER, M</b>		AGENCY <b>DFS Central Lab</b>
DFS LICENSE NUMBER <b>18910</b>	LICENSE EXPIRES <b>10/01/2014</b>	DATE TEST CONDUCTED <b>11/06/2013</b>
TEST EQUIPMENT NUMBER <b>010434</b>		

RESULTS: TIME SAMPLE TAKEN 13:48 EST

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_\_.

BREATH TEST OPERATOR
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☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS \_\_\_\_\_  
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS \_\_\_\_\_  
OPERATOR'S SIGNATURE



# IntoxNet MIS Report

Report Generated 07 Nov 2013 at 15:54

JMB  
WSH

## Test Results

Instrument Serial Number 010434

Test # 000710 Subject Test

Test Location 1 Department of  
Test Date 06 Nov 2013

Test Location 2 Forensic Science  
Test Time 13:42  
Remote/Local Local

Test Location 3  
System Check Passed

Operator's Last Name STANTON  
Agency DFS Central Lab

Operator's First Name HEATHER

Operator's Middle Initial M  
License Number 18910

Card Serial Number 118910

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 06 Nov 2013 End Time 13:49

Result Time 13:48

Result Date 06 Nov 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 13:42

Data Type BLK

Sample Value 0.000

Sample Time 13:43

Data Type CHK

Sample Value 0.100

Sample Time 13:44

Data Type BLK

Sample Value 0.000

Sample Time 13:45

Data Type SUBJ

Sample Value 0.000

Sample Time 13:46

Data Type BLK

Sample Value 0.000

Sample Time 13:47

Data Type SUBJ

Sample Value 0.000

Sample Time 13:48

Data Type BLK

Sample Value 0.000

Sample Time 13:49

Standard Type Dry Gas Std

Standard Value 0.100

Standard Lot Number AG201104-26

Standard Expiration Date 01/11/2014

Tank Pressure 654

Barometric Pressure 759 mmHg

Blow Sample Number 1 Blow Duration 3.21 sec

Blow Volume 1815 cc End-of-Blow Time 13:46

Blow Sample Number 2 Blow Duration 3.28 sec

Blow Volume 1839 cc End-of-Blow Time 13:48

Tamper Evident Stamp f6f82cf6

Test Status Code 0

Test Status Success